Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Method for auto-configuration of a ~~new~~ router, the ~~new~~ router being a part of an IP intranetwork, the IP intranetwork comprising routers interconnected via Point to Point links, said method comprising the steps of:

establishing a physical connection between the ~~new~~ router and an existing router within the intranetwork;

establishing a Point to Point link between the ~~new~~ router and the existing router, over the physical connection;

requesting and *retrieving* an IP address to make IP communication possible between the ~~new~~ router and the existing router over the Point to Point link;

automatically identifying the resources which are essential for retrieving configuration information for the ~~new~~ router;

automatically configuring the ~~new~~ router by means of the configuration information; and

starting a routing protocol to establish network connectivity between the ~~new~~ router and the rest of the intranetwork;

wherein a set of additional routers to be autoconfigured is added to said router, in cascade, wherein the first of said additional routers, connected to said router, is autoconfigured according to the prior steps, and then comprising the further steps of:

starting the autoconfiguring of one of said additional routers closest connected to the last configured router; and

repeating the former step until all of said additional routers in the set are autoconfigured.

2. (Currently Amended) The method according to claim 1 comprising the further step of

providing the existing router with IP addresses, identifying said essential resources, thus making it possible for the ~~new~~ router to obtain the configuration information from the essential resources via the existing router.

3. (Currently Amended) The method according to claim 1, wherein the method comprising the further steps of

providing the ~~new~~ router with standard host names defined for the essential resources;

obtaining a DNS (Domain Name System) address during set-up of the Point to Point link; and

using the DNS server to resolve the hostnames into IP addresses thus making it possible for the ~~new~~ router to find the configuration information at the essential resources.

4. (Previously Presented) The method according to claim 1 comprising the further steps of

obtaining a DHCP (Dynamic Host Configuration Protocol) address during the establishing of the Point to Point link; and

using the DHCP server address, to identify the essential resources which provide the configuration information.

5. (Previously Presented) The method according to claim 1 comprising the further step of

contacting one of the essential resources to obtain routing protocol configuration information.

6. (Previously Presented) The method according to claim 1, wherein the step starting a routing protocol is performed by,

sending a "hello-message" to inform the other routers within the intranetwork that a new router is now a part of the intranetwork.

7. (Currently Amended) The method according to claim 1 wherein the IP intranetwork is a part of a BSS (Base Station System) within a cellular system and the ~~new~~ router is co-located with a BTS (BaseTransceiver Station) within the Intranet.

8-18. (Cancelled).

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